

WHAT IS CLAIMED IS:

1. An intraoral x-ray film packet, comprising:
an outer envelope;
a film chip disposed within the outer envelope; and
a non-lead sheet disposed within the outer envelope, the non-lead sheet being comprised substantially of tin.
2. The intraoral x-ray film packet according to Claim 1, wherein the non-lead sheet is comprised of at least 99.95 percent tin.
3. The intraoral x-ray film packet according to Claim 1, wherein the non-lead sheet is comprised of about 99.975 percent tin.
4. The intraoral x-ray film packet according to Claim 1, wherein the non-lead sheet is a tin foil having a thickness of about 0.002 to about 0.0024 inches.
5. The intraoral x-ray film packet according to Claim 1, wherein the non-lead sheet absorbs between about 60 kVp to about 80 kVp of radiation energy.
6. The intraoral x-ray film packet according to Claim 1, wherein the outer envelope includes a laminated perimetric edge.